

ABSTRACT OF THE DISCLOSURE

In a laser sintering method for producing a three-dimensional object wherein subsequent layers of the object to be formed are subsequently solidified on positions 5 corresponding to the object, as a build-up material, a powder is used wherein the upper grain limit of the powder particles is below $100\mu\text{m}$, the $D_{0.5}$ -value is below $55\mu\text{m}$, the BET-surface is smaller than $5 \text{ m}^2/\text{g}$ and the grains of the powder basically have a spherical shape.